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**Serial Number:** 10/487,133

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## PALM INTRANET

# Inventor Information for 10/687133

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CARLSON, DAVID L.	FRIDLEY	MINNESOTA
JENSEN, RANDY M.	HAMPTON	MINNESOTA

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US 20050228461 A1	US- PGPUB	20051013	Stimulation methodologies and apparatus for control of brain states	607/45		Osorio, Ivan et al.
US 20050197590 A1	US- PGPUB	20050908	System for the prediction, rapid detection, warning, prevention, or control of changes in activity states in the brain of a subject	600/544		Osorio, Ivan et al.
US 20050021313 A1	US- PGPUB	20050127	Method, computer program, and system for automated real-time signal analysis for detection, quantification, and prediction of signal changes	702/193		Nikitin, Alexei V. et al.
US 20040236388 A1	US- PGPUB	20041125	Techniques for positioning therapy delivery elements within a spinal cord or brain	607/48		Gielen, Frans et al.
US 20040186543 A1	US- PGPUB	20040923	Apparatus and method for expanding a stimulation lead body in situ	607/116		King, Gary W. et al.
US 20040158119 A1	US- PGPUB	20040812	Screening techniques for management of a nervous system disorder	600/9	600/544; 604/503; 604/66; 607/2; 607/96	Osorio, Ivan et al.
US 20040152958 A1	US- PGPUB	20040805	Timed delay for redelivery of treatment therapy for a medical device system	600/300	128/920; 600/544	Frei, Mark G. et al.
US 20040138721	US-	20040715	Vagal nerve	607/45		Osorio, Ivan

A1	PGPUB		stimulation techniques for treatment of epileptic seizures				et al.
US 20040138711 A1	US- PGPUB	20040715	Control of treatment therapy during start-up and during operation of a medical device system	607/3			Osorio, Ivan et al.
US 20040138647 A1	US- PGPUB	20040715	Cycle mode providing redundant back-up to ensure termination of treatment therapy in a medical device system	604/890.1	607/1		Osorio, Ivan et al.
US 20040138581 A1	US- PGPUB	20040715	Signal quality monitoring and control for a medical device system	600/544			Frei, Mark G. et al.
US 20040138580 A1	US- PGPUB	20040715	Signal quality monitoring and control for a medical device system	600/544			Frei, Mark G. et al.
US 20040138536 A1	US- PGPUB	20040715	Clustering of recorded patient neurological activity to determine length of a neurological event	600/300	600/544		Frei, Mark G. et al.
US 20040138518 A1	US- PGPUB	20040715	Medical device system with relaying module for treatment of nervous system disorders	600/9	604/503; 604/66; 607/2; 607/96		Rise, Mark T. et al.
US 20040138517 A1	US- PGPUB	20040715	Multi-modal operation of a medical device system	600/9	604/503; 604/66; 607/2; 607/96		Osorio, Ivan et al.

US 20040138516 A1	US- PGPUB	20040715	Configuring and testing treatment therapy parameters for a medical device system	600/9	604/503; 604/66; 607/2; 607/96	Osorio, Ivan et al.
US 20040133390 A1	US- PGPUB	20040708	Synchronization and calibration of clocks for a medical device and calibrated clock	702/178		Osorio, Ivan et al.
US 20040133248 A1	US- PGPUB	20040708	Channel-selective blanking for a medical device system	607/45		Frei, Mark G. et al.
US 20040133120 A1	US- PGPUB	20040708	Phase shifting of neurological signals in a medical device system	600/544	128/920; 600/300	Frei, Mark G. et al.
US 20040133119 A1	US- PGPUB	20040708	Scoring of sensed neurological signals for use with a medical device system	600/544	128/920; 600/300	Osorio, Ivan et al.
US 20040082984 A1	US- PGPUB	20040429	Multi-modal system for detection and control of changes in brain state	607/105	607/113; 607/116; 977/725; 977/742; 977/900 CIPG 20060101 A A61B A61B5/00 L N R US M 20060101 CIPC A61B CIPN A61B5/00 20060101 CIPG 20060101 A A61B A61B5/00 L N R US M	Osorio, Ivan et al.

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US 20040078160 A1	US- PGPUB	20040422	Method, computer program, and system for intrinsic timescale decomposition, filtering, and automated analysis of signals of arbitrary origin or timescale	702/79		Frei, Mark G. et al.
US 20030195574 A1	US- PGPUB	20031016	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/9		Osorio, Ivan et al.
US 20030187621 A1	US- PGPUB	20031002	Method, computer program, and system for automated real-time signal analysis for detection, quantification, and prediction of signal changes	702/189		Nikitin, Alexei V. et al.
US 20030045620 A1	US- PGPUB	20030306	Sealants	524/394	523/401; 523/442; 524/398; 524/423; 524/425; 524/426; 524/427; 524/445;	Carlson, David L. et al.

					524/449; 524/451; 524/458; 524/500; 524/517; 524/521; 524/522		
US 20020151948 A1	US- PGPUB	20021017	Apparatus and method for expanding a simulation lead body in situ	607/122		King, Gary William et al.	
US 20020072782 A1	US- PGPUB	20020613	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45		Osorio, Ivan et al.	
US 20020072776 A1	US- PGPUB	20020613	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/9		Osorio, Ivan et al.	
US 20020062143 A1	US- PGPUB	20020523	Techniques for selective activation of neurons in the brain, spinal cord parenchyma or peripheral nerve	607/116		Baudino, Michael et al.	
US 20010053885 A1	US- PGPUB	20011220	Techniques for positioning therapy delivery elements within a spinal cord or a brain	604/20	604/503; 606/192; 607/118; 607/2	Gielen, Frans et al.	
US 20010023367 A1	US- PGPUB	20010920	Apparatus and method for expanding a stimulation lead body in situ	607/117		King, Gary W. et al.	
US 7006859 B1	USPAT	20060228	Unitized electrode with three-dimensional multi-site, multi-modal capabilities for detection and	600/378	607/116	Osorio; Ivan et al.	

			control of brain state changes				
US 6961618 B2	USPAT	20051101	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45	607/9		Osorio; Ivan et al.
US 6934580 B1	USPAT	20050823	Stimulation methodologies and apparatus for control of brain states	600/545	600/544; 607/45; 607/62		Osorio; Ivan et al.
US 6920357 B2	USPAT	20050719	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45	607/9		Osorio; Ivan et al.
US 6904390 B2	USPAT	20050607	Method, computer program, and system for automated real-time signal analysis for detection, quantification, and prediction of signal changes	702/188	324/521		Nikitin; Alexei V. et al.
US 6795737 B2	USPAT	20040921	Techniques for positioning therapy delivery elements within a spinal cord or a brain	607/117	607/45; 607/50		Gielen; Frans et al.
US 6793670 B2	USPAT	20040921	Multi-modal system for detection and control of changes in brain state	607/113	607/99; 977/842; 977/850 CIPG 20060101 A A61B A61B5/00 L N R US M 20060101 CICL A61B CIPN A61B5/00 20060101		Osorio; Ivan et al.

						CIPG 20060101 A A61B A61B5/00 L N R US M 20060101 CICL A61B CIPN A61B5/00 20060101 CIPG 20060101 A A61B A61B5/03 L N R US M 20060101 CICL A61B CIPN A61B5/03; 20060101 CIPG 20060101 A A61B A61B5/03 L N R US M 20060101 CICL A61B CIPN A61B5/03 20060101 CIPG 20060101 A A61B A61B5/0476 L N R US M 20060101 CICL A61B CIPN A61B5/0476 20060101 CIPG 20060101 A A61B A61B5/0478 L N R US M 20060101	
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US 6768969 B1	USPAT	20040727	Method, computer program, and system for automated real-time signal analysis for detection, quantification, and prediction of signal changes	702/188	324/76.11	Nikitin; Alexei V. et al.
US 6714822 B2	USPAT	20040330	Apparatus and method for expanding a stimulation lead body in situ	607/117	607/116	King; Gary W. et al.
US 6671556 B2	USPAT	20031230	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45	607/9	Osorio; Ivan et al.
US 6587727 B2	USPAT	20030701	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45	607/17	Osorio; Ivan et al.
US 6560486 B1	USPAT	20030506	Bi-directional cerebral interface system	607/45	600/36; 600/544	Osorio; Ivan et al.

US 6549804 B1	USPAT	20030415	System for the prediction, rapid detection, warning, prevention or control of changes in activity states in the brain of a subject	600/544	600/300; 600/545	Osorio; Ivan et al.
US 6442435 B1	USPAT	20020827	Apparatus and method for expanding a stimulation lead body in situ	607/117	607/116	King; Gary W. et al.
US 6374140 B1	USPAT	20020416	Method and apparatus for treating seizure disorders by stimulating the olfactory senses	607/45	600/544	Rise; Mark T.
US 6356784 B1	USPAT	20020312	Method of treating movement disorders by electrical stimulation and/or drug infusion of the pendunculopontine nucleus	607/2	604/22; 604/522	Lozano; Andres M. et al.
US 6353762 B1	USPAT	20020305	Techniques for selective activation of neurons in the brain, spinal cord parenchyma or peripheral nerve	607/45	607/117	Baudino; Michael et al.
US 6341236 B1	USPAT	20020122	Vagal nerve stimulation techniques for treatment of epileptic seizures	607/45		Osorio; Ivan et al.
US 6337997 B1	USPAT	20020108	Implantable seizure warning system	607/45	607/3	Rise; Mark T.
US 6319241 B1	USPAT	20011120	Techniques for	604/502	604/503;	King; Gary

			positioning therapy delivery elements within a spinal cord or a brain		607/116; 607/62		W. et al.
US 6292702 B1	USPAT	20010918	Apparatus and method for expanding a stimulation lead body in situ	607/116			King; Gary W. et al.
US 6263237 B1	USPAT	20010717	Techniques for treating anxiety disorders by brain stimulation and drug infusion	607/3	128/898; 604/21; 604/502; 604/508; 607/45; 607/72		Rise; Mark T.
US 6242679 B1	USPAT	20010605	Multimembrane percussive instrument and a method for mounting multiple drum heads	84/411R	84/414; 84/415		Carlson; David L.
US 6227203 B1	USPAT	20010508	Techniques for controlling abnormal involuntary movements by brain stimulation and drug infusion	128/898	604/891.1; 607/3; 607/46		Rise; Mark T. et al.
US 6176242 B1	USPAT	20010123	Method of treating manic depression by brain infusion	128/898	607/2		Rise; Mark T.
US 6161047 A	USPAT	20001212	Apparatus and method for expanding a stimulation lead body in situ	607/62	607/116; 607/117		King; Gary W. et al.
US 6128537 A	USPAT	20001003	Techniques for treating anxiety by brain stimulation and drug infusion	607/45	128/898; 604/21; 604/508; 607/72		Rise; Mark T.
US 6122548 A	USPAT	20000919	System and method for	607/67	607/46		Starkebaum; Warren et

			preventing cross-conduction in a human-implantable dual channel neurostimulator				al.
US 6109269 A	USPAT	20000829	Method of treating addiction by brain infusion	128/898	607/2; 607/4	Rise; Mark T. et al.	
US 6094598 A	USPAT	20000725	Method of treating movement disorders by brain stimulation and drug infusion	607/116	607/117; 607/118	Elsberry; Dennis D. et al.	
US 6042579 A	USPAT	20000328	Techniques for treating neurodegenerative disorders by infusion of nerve growth factors into the brain	604/891.1	604/503; 604/93.01	Elsberry; Dennis D. et al.	
US 6018682 A	USPAT	20000125	Implantable seizure warning system	607/45	607/62	Rise; Mark T.	
US 5995868 A	USPAT	19991130	System for the prediction, rapid detection, warning, prevention, or control of changes in activity states in the brain of a subject	600/544	600/300; 600/545	Dorfmeister; Josef et al.	
US 5978702 A	USPAT	19991102	Techniques of treating epilepsy by brain stimulation and drug infusion	607/3	604/503; 604/67; 604/891.1	Ward; Scott R. et al.	
US 5975085 A	USPAT	19991102	Method of treating schizophrenia by brain stimulation and drug infusion	128/898	604/500	Rise; Mark T.	
US 5948007 A	USPAT	19990907	Dual channel implantation	607/67	607/46; 607/66	Starkebaum; Warren et	

			neurostimulation techniques				al.
US 5927277 A	USPAT	19990727	Method and apparatus for securing probes within a burr hole	600/386	604/175; 606/129		Baudino; Michael D. et al.
US 5893881 A	USPAT	19990413	Method and apparatus for alleviating cardioversion shock pain by delivering a bolus of analgesic	607/5			Elsberry; Dennis D. et al.
US 5853424 A	USPAT	19981229	Method of and apparatus for preventing tissue ingrowth in infusion catheters	607/117	607/121		Rise; Mark T.
US 5848987 A	USPAT	19981215	Microtextured catheter and method for preventing catheter fluid reflux	604/500			Baudino; Michael D. et al.
US 5833709 A	USPAT	19981110	Method of treating movement disorders by brain stimulation	607/2			Rise; Mark T. et al.
US 5832932 A	USPAT	19981110	Method of treating movement disorders by brain infusion	128/898	604/67; 604/891.1		Elsberry; Dennis D. et al.
US 5824021 A	USPAT	19981020	Method and apparatus for providing feedback to spinal cord stimulation for angina	607/46			Rise; Mark T.
US 5817131 A	USPAT	19981006	Method and apparatus for alleviating cardioversion shock pain	607/5	607/6		Elsberry; Dennis D. et al.
US 5814014 A	USPAT	19980929	Techniques of	604/43	604/93.01		Elsberry;

				treating neurodegenerative disorders by brain infusion			Dennis D. et al.
US 5792186 A	USPAT	19980811		Method and apparatus for treating neurodegenerative disorders by electrical brain stimulation	607/2		Rise; Mark T.
US 5782798 A	USPAT	19980721		Techniques for treating eating disorders by brain stimulation and drug infusion	604/500	604/890.1; 607/45; 607/72; 977/906	Rise; Mark T.
US 5752930 A	USPAT	19980519		Implantable techniques for infusing equal volumes of agents to spaced sites	604/508	604/257; 604/288.04; 604/48; 604/891.1	Rise; Mark T. et al.
US 5735814 A	USPAT	19980407		Techniques of treating neurodegenerative disorders by brain infusion	604/43	604/503	Elsberry; Dennis D. et al.
US 5716377 A	USPAT	19980210		Method of treating movement disorders by brain stimulation	607/2		Rise; Mark T. et al.
US 5713923 A	USPAT	19980203		Techniques for treating epilepsy by brain stimulation and drug infusion	607/3	128/899; 604/891.1	Ward; Scott R. et al.
US 5711316 A	USPAT	19980127		Method of treating movement disorders by brain infusion	128/898	600/595; 604/67; 604/891.1	Elsberry; Dennis D. et al.
US 5685307 A	USPAT	19971111		Method and apparatus for tissue characterization of animals using	600/437	600/449	Holland; Kyle H. et al.

			ultrasound				
US 5683422 A	USPAT	19971104	Method and apparatus for treating neurodegenerative disorders by electrical brain stimulation	607/2	607/62		Rise; Mark T.
US 5662689 A	USPAT	19970902	Method and apparatus for alleviating cardioversion shock pain	607/5	607/46		Elsberry; Dennis D. et al.
US 5643207 A	USPAT	19970701	Implantable techniques for infusing a therapeutic agent with endogenous bodily fluid	604/93.01	604/246; 604/65; 604/67; 604/891.1		Rise; Mark T.
US 5628317 A	USPAT	19970513	Ultrasonic techniques for neurostimulator control	600/437	600/463; 607/48		Starkebaum; Warren et al.
US 5007032 A	USPAT	19910409	Acoustic alert sensor	367/136			Jensen; Randy M.
US 4700711 A	USPAT	19871020	Ultrasonic detector with integral confidence tests	600/449	73/612		Carlson; David L.
US 4690144 A	USPAT	19870901	Wireless transcutaneous electrical tissue stimulator	607/59			Rise; Mark T. et al.
US 4671289 A	USPAT	19870609	7 Housing for ultrasonic detector	600/449	200/333; 200/505; 600/459		Gainsley; James D. et al.
US 4390023 A	USPAT	19830628	Patterned electrical tissue stimulator	607/66	607/46; 607/73		Rise; Mark T.
US 4359056 A	USPAT	19821116	Automatic digital backfat meter	600/449	73/631		Carlson; David L.
US 4359055 A	USPAT	19821116	Automatic digital backfat meter	600/449	73/609; 73/631		Carlson; David L.
US 4112927 A	USPAT	19780912	Ultrasonic detector with audible indication	600/449	73/597; 73/614		Carlson; David L.

			signal				
US 3357428 A	USPAT	19671212	Respiratory augmentor with electronic monitor and control [TEXT AVAILABLE IN USOCR DATABASE]	128/204.23	128/204.26; 128/205.24; 137/487.5; 251/304		CARLSON DAVID L
US 2579064 A	USPAT	19511218	Ventilated awning [TEXT AVAILABLE IN USOCR DATABASE]	49/38	52/77		CARLSON DAVID L